

5'	11	20	29	38	47	56
TTG ACA AGT	CAG AAG CTT	GAA AGC AGG	GAA ATC CGG	ATG TCT CGG	TTA TGA	AGT
65	74	83	92	101		110
GGA GCA GTG	AGT GTG AGC	CTC AAC ATA	GTT CCA GAA	CTC TCC ATC	CGG ACT	AGT
119	128	137	146	155		164
TAT TGA GCA	TCT GCC TCT	CAT ATC ACC	AGT GGC CAT	CTG AGG TGT	TTC CCT	GGC
173	182	191	200	209		218
TCT GAA GGG	GTA GGC ACG	ATG GCC AGG	TGC TTC AGC	CTG GTG TTTG	CTT CTC	ACT
		M A R C	F S L V		L L T	
227	236	245	254	263		272
TCC ATC TGG	ACC ACG AGG	CTC CTC GTC	CAA GGC TCT	TTG CGT GCA	GAA GAG	CTT
S I W	T T R L L V	Q G S L R A			E L	
281	290	299	308	317		326
TCC ATC CAG	GTG TCA TGC	AGA ATT ATG	GGG ATC ACC	CTT GTG AGC	AAA AAG	GCG
S I Q	V S C R I M	G G I T L V			K K A	
335	344	353	362	371		380
AAC CAG CAG	CTG AAT TTC	ACA GAA GCT	AAG GAG GCC	TGT AGG CTG	CTG GGA	CTA
N Q Q	L N F T E A	K E A C R L			L G L	
389	398	407	416	425		434
AGT TTG GCC	GGC AAG GAC	CAA GTT GAA	GCC TTG AAA	GCT AGC TTT	GAA ACT	
S L A	G G K D Q V	E E T A L K F			E T	

FIGURE 1A

443	452	461	470	479	488
TGC AGC TAT GGC TGG GTT GGA GAT GGA TTC GTG GTC ATC TCT AGG ATT AGC CCA					
C S Y G G W V G G D G F V V I S R I S P					
497	506	515	524	533	542
AAC CCC AAG TGT GGG AAA AAT GGG GTG GGT GTC CTG ATT TGG AAG GTT CCA GTG					
N P K C G K N G V G V L I W K V P V					
551	560	569	578	587	596
AGC CGA CAG TTT GCA GCC TAT TGT TAC AAC TCA TCT GAT ACT TGG ACT AAC TCG					
S R Q F A A Y C Y N S S D T W T N S					
605	614	623	632	641	650
TGC ATT CCA GAA ATT ATC ACC ACC AAA GAT CCC ATA TTC AAC ACT CAA ACT GCA					
C I P E I I T T K D P I F N T Q T A					
659	668	677	686	695	704
ACA CAA ACA ACA GAA TTT ATT GTC AGT GAC AGT ACC TAC TCG GTG GCA TCC CCT					
T Q T T E F I V S D S T Y S V A S P					
713	722	731	740	749	758
TAC TCT ACA ATA CCT GCC CCT ACT ACT ACT ACT CCT CCT GCT CCA GCT TCC ACT TCT					
Y S T I I P A P T T T P P P A P A S T S					
767	776	785	794	803	812
ATT CCA CGG AGA AAA AAA TTG ATT TGT GTC ACA GAA GTT TTT ATG GAA ACT AGC					
I P R R K K K L I C V T E V F M E T S					

FIGURE 1B

821	ACC ATG TCT	830	ACA GAA ACT	839	GAA CCA TTT	848	GAA AAT AAA	857	GCA GCA TTC	866	AAT AAG AAT
	T M S T E T		E T E P F V		E N K A A		F K N				
875	GAA GCT GCT	884	GGG TTT GGA	893	GGT GTC CCC	902	CTG CTA GTG	911	CTT GCT CTC	920	CTC CTC L
	E A A G F G		G G G V P T		A L L V L		A L L				
929	TTC TTT GGT	938	GCA GCT GGT	947	CTT GGA TTT	956	TGC TAT GTC	965	AGG TAT GTG	974	AAG AAG K
	F F G A A A		G A G L G F		C Y V V M		I E T K V				
983	GCC TTC CCT	992	ACA AAC AAG	1001	CAG AAT CAG	1010	AAG GAA ATG	1019	ATC GAA ACC	1028	AAA GTA
	A F P F T N		T N K N Q Q		K E M		A A A				
1037	GTA AAG GAG	1046	GAG AAG GCC	1055	AAT GAT AGC	1064	AAT GAG GAA	1073	TCA AAG AAA	1082	ACT AAT
	V K E E K A		N D S N P N		E E S K K T						
1091	GAT AAA AAC	1100	CCA GAA GAG	1109	TCC AAG AGT	1118	CCA AGC AAA	1127	ACT ACC GTG	1136	CTG TGC C
	D K N P E E		P E S S K S		P S P T V R		C L				
1145	GAA GCT GAA	1154	GTT TAG ATG	1163	AGA CAG AAA	1172	TGA GGA GAC	1181	ACA CCT GAG	1190	GCT GGT TTC
	E A E V										

FIGURE 1C

1199	1208	1217	1226	1235	1244
TTT CAT GCT CCT TAC CCT GCC CCA GCT GGG GAA ATC AAA AGG GCC AAA GAA CCA					
1253	1262	1271	1280	1289	1298
AAG AAG AAA GTC CAC CCT TGG TTC CTA ACT GGA ATC AGC TCA GGA CTG CCA TTG					
1307	1316	1325	1334	1343	1352
GAC TAT GGA GTG CAC CAA AGA GAA TGC CCT TCT CCT TAT TGT AAC CCT GTC TGG					
1361	1370	1379	1388	1397	1406
ATC CTA TCC TCC TAC CTC CAA AGC TTC CCA CGG CCT TTC TAG CCT GGC TAT GTC					
1415	1424	1433	1442	1451	1460
CTA ATA ATA TCC CAC TGG GAG AAA GGA GTT TTG CAA AGT GCA AGG ACC TAA AAC					
1469	1478	1487	1496	1505	1514
ATC TCA TCA GTA TCC AGT GGT AAA AAG GCC TCC TGG CTG TCT GAG GCT AGG TGG					
1523	1532	1541	1550	1559	1568
GTT GAA AGC CAA GGA GTC ACT GAG ACC AAG GCT TTC TCT ACT GAT TCC GCA GCT					
1577	1586	1595	1604	1613	1622
CAG ACC CTT TCT TCA GCT CTG AAA GAG AAA CAC GTA TCC CAC CTG ACA TGT CCT					
1631	1640	1649	1658	1667	1676
TCT GAG CCC GGT AAG AGC AAA AGA ATG GCA GAA AAG TTT AGC CCC TGA AAG CCA					

FIGURE 1D

1685	1694	1703	1712	1721	1730
TGG AGA TTC TCA TAA CTT GAG ACC TAA TCT CTG TAA AGC TAA AAT AAA GAA ATA					
1739	1748	1757	1766	1775	1784
GAA CAA GGC TGA GGA TAC GAC AGT ACA CTG TCA GCA GGG ACT GTA AAC ACA GAC					
1793	1802	1811	1820	1829	1838
AGG GTC AAA GTG TTT TCT CTG AAC ACA TTG AGT TGG AAT CAC TGT TTA GAA CAC					
1847	1856	1865	1874	1883	1892
ACA CAC TTA CTT TTT CTG GTC TCT ACC ACT GCT GAT ATT TTC TCT AGG AAA TAT					
1901	1910	1919	1928	1937	1946
ACT TTT ACA AGT AAC AAA AAT AAA AAC TCT TAT AAA TTT CTA TTT TTA TCT GAG					
1955	1964	1973	1982	1991	2000
TTA CAG AAA TGA TTA CTA AGG AAG ATT ACT CAG TAA TTT GTT TAA AAA GTA ATA					
2009	2018	2027			
AAA TTC AAC AAA CAT TTA AAA AAA AA 3'					

FIGURE 1E